

Albite Nano-Pellet, pressed pellet, diameter 10 mm (Standard for solid-state microanalysis)

Art. ID MY-AL-I-NP-LA-ICP-MS-10MM
Unit each (pressed pellet)
Deliverydetails No Dangerous Good /not restricted

Description

Pellet for LA-ICP-MS application /// The principle behind LA-ICP-MS (Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry) involves a laser beam removing (ablating) material from a sample and analysing its chemical composition in a mass spectrometer

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|------------------------------------|-------------|---------------------|--------|--------|--------|
| | Na ₂ O | | 10,59 ± 0,1 | g/100g | | |
| | MgO | [1309-48-4] | 0,035 ± 0,01 | g/100g | | |
| | Al ₂ O ₃ | | 18,59 ± 0,1 | g/100g | | |
| | SiO ₂ | | 69,34 ± 0,16 | g/100g | | |
| | P ₂ O ₅ | | 0,038 ± 0,01 | g/100g | | |
| | K ₂ O | | 0,14 ± 0,01 | g/100g | | |
| | CaO | | 0,384 ± 0,02 | g/100g | | |
| | TiO ₂ | | 0,012 ± 0,004 | g/100g | | |
| | MnO | | 0,004 ± 0,002 | g/100g | | |
| | Fe ₂ O ₃ (T) | | 0,075 ± 0,01 | g/100g | | |
| | Lithium (Li) | [7439-93-2] | 1 ± 0,14 | µg/g | | |
| | Beryllium (Be) | [7440-41-7] | 2,7 ± 0,3 | µg/g | | |
| | Fluorine (F) | [7782-41-4] | 45 ± 7 | µg/g | | |
| | Scandium (Sc) | [7440-20-2] | 1,75 ± 0,2 | µg/g | | |
| | Vanadium (V) | [7440-62-2] | 2 ± 1 | µg/g | | |
| | Chromium (Cr) | [7440-47-3] | 2 ± 1 | µg/g | | |
| | Cobalt (Co) | [7440-48-4] | 0,2 ± 0,1 | µg/g | | |
| | Nickel (Ni) | [7440-02-0] | 2 ± 1 | µg/g | | |
| | Copper (Cu) | [7440-50-8] | 3 ± 0,5 | µg/g | | |
| | Zinc (Zn) | [7440-66-6] | 6 ± 1,5 | µg/g | | |
| | Gallium (Ga) | [7440-55-3] | 20 ± 0,5 | µg/g | | |
| | Arsenic (As) | [7440-38-2] | 0,8 ± 0,4 | µg/g | | |
| | Rubidium (Rb) | [7440-17-7] | 5,8 ± 0,5 | µg/g | | |
| | Strontium (Sr) | [7440-24-6] | 80 ± 5 | µg/g | | |
| | Yttrium (Y) | [7440-65-5] | 6,8 ± 0,4 | µg/g | | |
| | Zirconium (Zr) | [7440-67-7] | 40 ± 4 | µg/g | | |
| | Niobium (Nb) | [7440-03-1] | 1,6 ± 0,3 | µg/g | | |

| | | | |
|-------------------|-------------|-------------|------|
| Molybdenum (Mo) | [7439-98-7] | 0,1 ± 0,03 | µg/g |
| Tin (Sn) | [7440-31-5] | 0,4 ± 0,2 | µg/g |
| Antimony (Sb) | [7440-36-0] | 0,2 ± 0,1 | µg/g |
| Caesium (Cs) | [7440-46-2] | 0,34 ± 0,1 | µg/g |
| Barium (Ba) | [7440-39-3] | 85 ± 6 | µg/g |
| Lanthanum (La) | [7439-91-0] | 9,5 ± 0,6 | µg/g |
| Cerium (Ce) | [7440-45-1] | 21 ± 1 | µg/g |
| Praseodymium (Pr) | [7440-10-0] | 2,8 ± 0,3 | µg/g |
| Neodymium (Nd) | [7440-00-8] | 10,4 ± 0,6 | µg/g |
| Samarium (Sm) | [7440-19-9] | 2,8 ± 0,3 | µg/g |
| Europium (Eu) | [7440-53-1] | 0,19 ± 0,02 | µg/g |
| Gadolinium (Gd) | [7440-54-2] | 1,9 ± 0,2 | µg/g |
| Terbium (Tb) | [7440-27-9] | 0,3 ± 0,06 | µg/g |
| Dysprosium (Dy) | [7429-91-6] | 1,5 ± 0,2 | µg/g |
| Holmium (Ho) | [7440-60-0] | 0,28 ± 0,05 | µg/g |
| Erbium (Er) | [7440-52-0] | 0,6 ± 0,1 | µg/g |
| Thulium (Tm) | [7440-30-4] | 0,1 ± 0,015 | µg/g |
| Ytterbium (Yb) | [7440-64-4] | 0,7 ± 0,1 | µg/g |
| Lutetium (Lu) | [7439-94-3] | 0,13 ± 0,02 | µg/g |
| Hafnium (Hf) | [7440-58-6] | 2,6 ± 0,2 | µg/g |
| Tantalum (Ta) | [7440-25-7] | 1,9 ± 0,3 | µg/g |
| Tungsten (W) | [7440-33-7] | 0,2 ± 0,1 | µg/g |
| Lead (Pb) | [7439-92-1] | 4,5 ± 0,7 | µg/g |
| Thorium (Th) | [7440-29-1] | 9,5 ± 1 | µg/g |
| Uranium (U) | [7440-61-1] | 5,8 ± 0,6 | µg/g |